

AMENDMENTS TO THE CLAIMS

1-4. (Cancelled)

5. (Original) A wheel-support rolling bearing unit comprising:

an outer ring having first and second outer raceways formed on its inner peripheral surface;

a hub having a flange formed on the outer peripheral surface of one end thereof, said hub having a first inner raceway which is disposed on its middle portion in an axial direction thereof and is confronted with said first outer raceway of said outer ring, said hub having an end portion disposed at the other end of said hub;

an inner ring fit to said end portion with interference, said inner ring having a second inner raceway which is formed on its outer peripheral surface and is confronted with said second outer raceway of said outer ring;

a plurality of first rolling elements located between said first inner raceway and said first outer raceway; and

a plurality of second rolling elements located between said second inner raceway and said second outer raceway;

wherein a caulking portion, which is formed by plastically deforming a portion of said end portion of said hub, is protruded beyond at least said inner ring thus fit to said hub, and

wherein a stress, which is caused in the circumferential direction in said inner ring by the interference fitting, is smaller than the result of subtracting a stress, which acts on said inner ring in the circumferential direction when said caulking portion is formed, from a tolerable stress acting on said inner ring in the circumferential direction.

6. (Original) The wheel-support rolling bearing unit according to claim 5 wherein said hub comprises:

a main body integrally formed with said flange portion; and

a separate inner ring which has said first inner raceway and is fit to said main body.

7-9. (Canceled)